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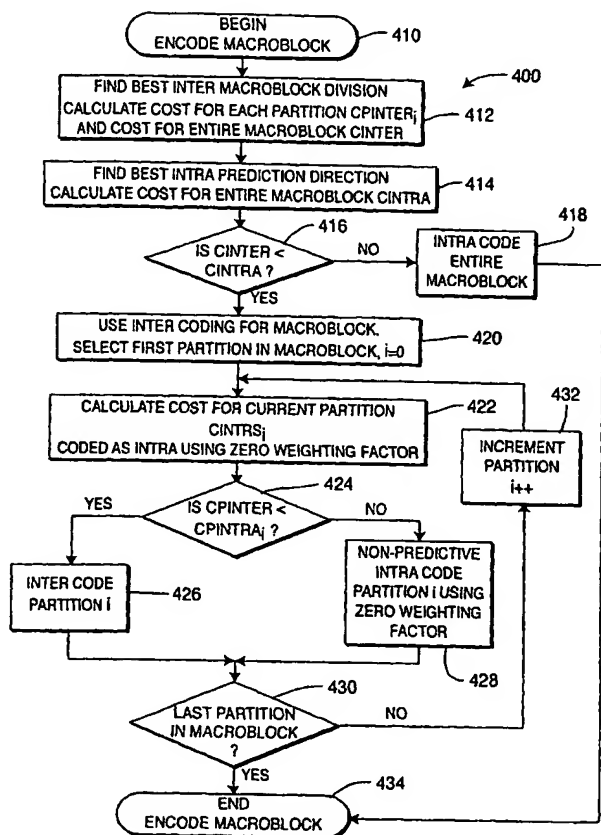
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[Continued on next page]

(54) Title: MIXED INTER/INTRA VIDEO CODING OF MACROBLOCK PARTITIONS



(57) Abstract: A video encoder (200, 300) and corresponding method (400) are provided for mixed inter/intra encoding of a macroblock having a plurality of partitions, where the encoder includes a reference picture weighting applicator (292, 392) coupled with a reference picture weighting factor unit (272, 372) for assigning weighting factors corresponding to each of the inter and intra coded partitions, respectively; and the corresponding method for encoding a macroblock with several partitions includes inter-coding (426) at least one partition and intra-coding (428) at least a second partition.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04N 7/12; 11/02, 11/04
US CL : 375/240.13

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 375/240, 240.01-240.29; 348/420; 382/240

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6, 005, 981 A (NG et al.) 21 December 1999 (21.12.1999) column 7, line 61-column 8, line 29	1-10 and 27
A	US 6, 404, 814 B1 (APOSTOLOPOULOS et al.) 11 June 2002 (11.06.2002), column 32, line 30-column 34, line 50).	1-10 and 27
A	US 2002/0110195 A1 (AUVRAY et al.) 15 August 2002 (15.08.2002), sections 0164-0181.	11-26

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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